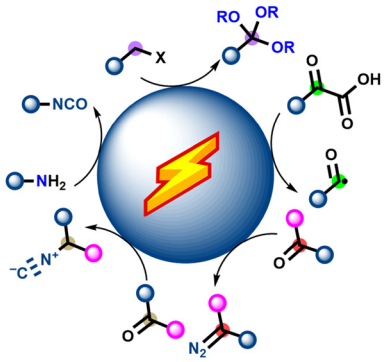
Synlett

Accounts and Rapid Communications in Chemical Synthesis

December 15, 2022 • Vol. 33, 1953–2052



Electrosynthesis: A Practical Way to Access Highly Reactive Intermediates

K. Lam

20

Thieme

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Accounts and
Rapid Communications
in Chemical Synthesis

2022
Vol. 33, No. 20
December II

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Electrosynthesis: A Practical Way to Access Highly Reactive Intermediates

Synlett **2022**, *33*, 1953–1960
DOI: 10.1055/a-1890-9162

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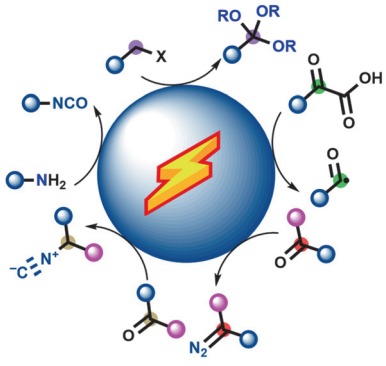

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Transition-Metal-Catalyzed Regioselective C–H Borylation of Pyridines

Synlett **2022**, *33*, 1961–1967
DOI: 10.1055/a-1890-8375

Q. Sun
Y. Luo
X. Xu*
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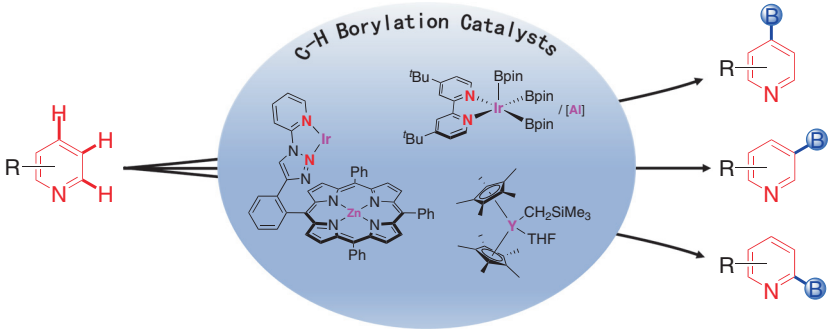

Synlett

Synlett **2022**, *33*, 1968–1990
DOI: 10.1055/a-1925-0108

S. Tan
Q. Chen
P. Lan
M. G. Banwell*
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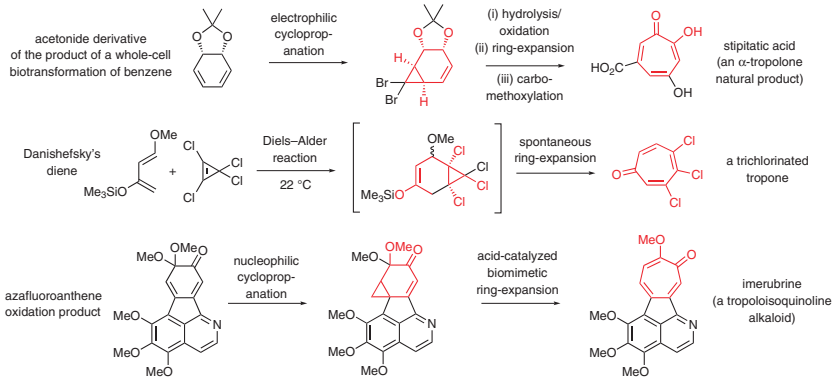
Troponoid Compounds as Therapeutic Agents and as Targets and Templates for Chemical Synthesis

Account

1968



Synlett

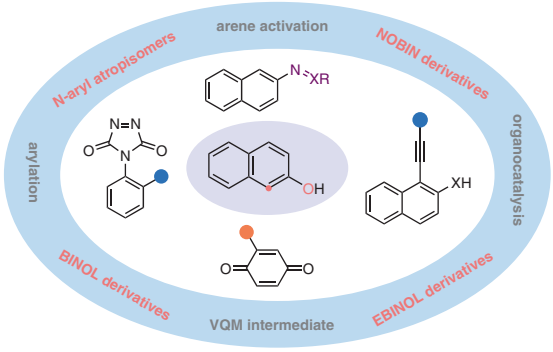
Synlett **2022**, *33*, 1991–2003
DOI: 10.1055/a-1965-2928

S.-H. Xiang
J. K. Cheng
B. Tan*
Southern University of Science and Technology, P. R. of China

The Application of 2-Naphthols in Asymmetric Synthesis of Atropisomers

Account

1991



Synlett

Synlett **2022**, *33*, 2004–2008
DOI: 10.1055/s-0042-1751385

M. Lange
E. Sennert
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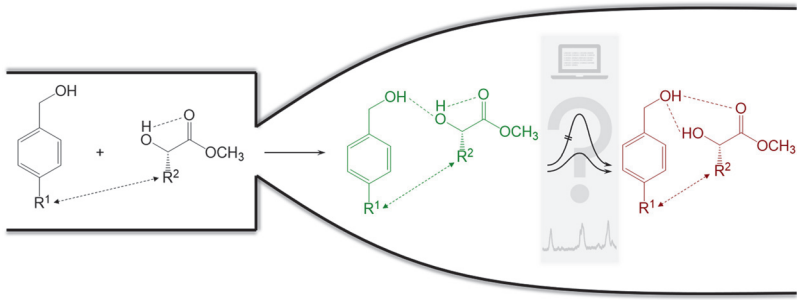
Georg-August-Universität Göttingen, Germany

London Dispersion-Assisted Low-Temperature Gas Phase Synthesis of Hydrogen Bond-Inserted Complexes

Cluster

2004



Synlett

Synlett **2022**, *33*, 2009–2012
DOI: 10.1055/a-1938-0643

S. Dai
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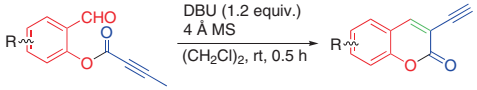
Transition-Metal-Free Synthesis of 3-Ethynylcoumarins by a DBU-Promoted Intramolecular Morita–Baylis–Hillman-Type Reaction/Dehydration/Isomerization Cascade

Letter

2009



- transition-metal-free
- 16 examples
- moderate to good yields

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Synlett **2022**, *33*, 2013–2018
DOI: 10.1055/a-1941-2068

A. F. Mkrtchyan*
A. S. Tovmasyan
A. M. Paloyan
A. S. Sargsyan
H. M. Simonyan
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S. G. Petrosyan
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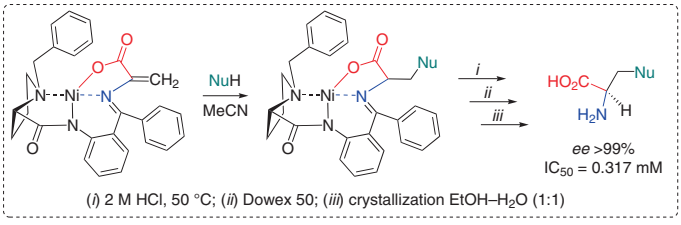
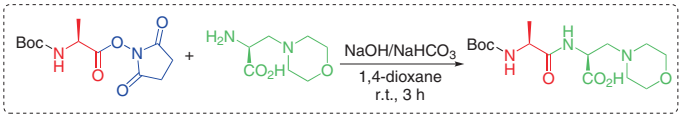
Asymmetric Synthesis of Derivatives of Alanine via Michael Addition Reaction and their Biological Study

Letter

2013





Synlett

Synlett **2022**, *33*, 2019–2025
DOI: 10.1055/a-1955-2016

A. Yanagisawa*
S. Kasahara
A. Takeishi
T. Marui

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Enantioselective Synthesis of α-Hydroxyamino Ketones by a Chiral Phosphine–Silver Complex Catalyzed *N*-Nitroso Aldol Reaction

Letter

2019

Synlett

Synlett **2022**, *33*, 2026–2032
DOI: 10.1055/a-1928-7308

Y. Tanaka
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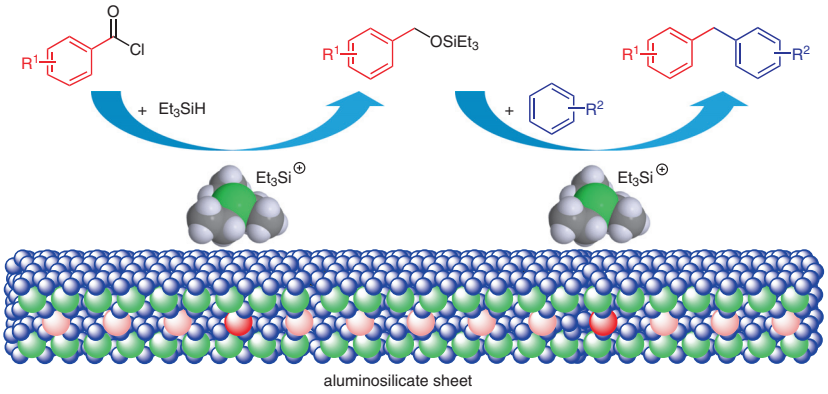
A Reductive Benzylation for Benzenes Using Aroyl Chlorides and Triethylsilane Catalyzed by Aluminosilicate-Stabilized Silyl Cations on Montmorillonite

Letter

2026



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Synlett **2022**, *33*, 2033–2037
DOI: 10.1055/s-0041-1738758

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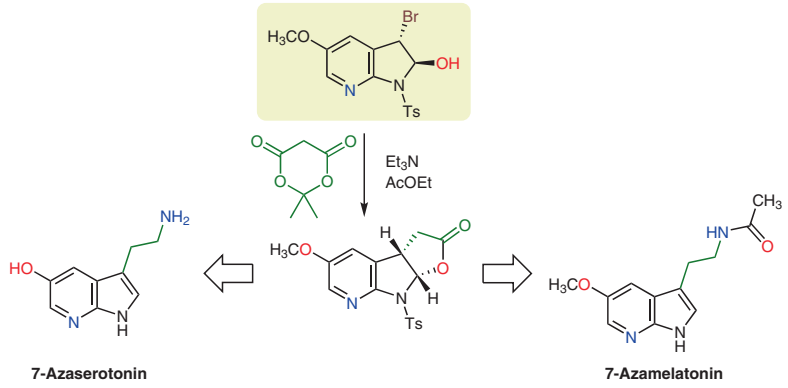
Practical Synthesis of 7-Azaserotonin and 7-Azamelatonin

Letter

2033



7-Azaserotonin

7-Azamelatonin

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Synlett **2022**, *33*, 2038–2042
DOI: 10.1055/a-1952-0009

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Y. Tang*
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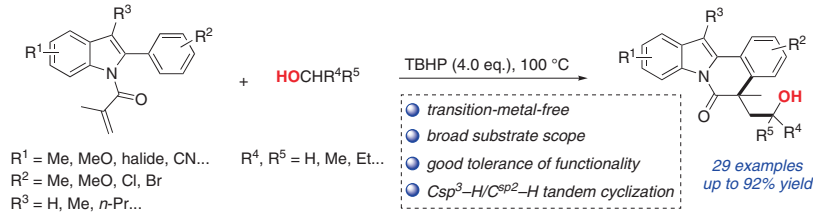
A Metal-Free TBHP-Triggered Cascade Cyclization of 2-Arylindoles with Alcohols: Synthesis of Hydroxyalkylated Indolo[2,1-*a*]isoquinoline Derivatives

Letter

2038



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Synlett **2022**, *33*, 2043–2047
DOI: 10.1055/a-1968-2769

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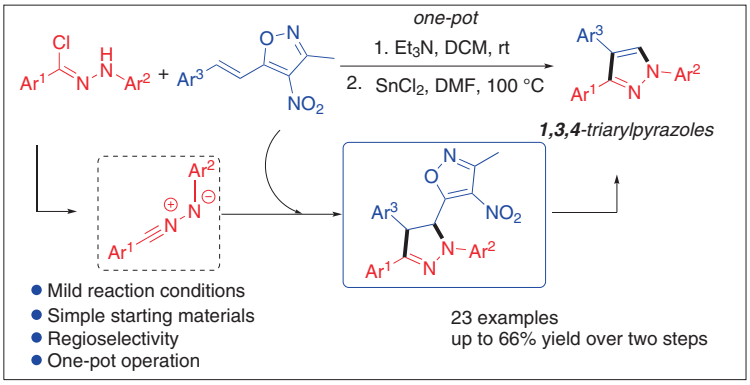
Sequential 1,3-Dipole Cycloaddition of Nitrile Imines with Alkenyl Isoxazoles and Aromatization: A One-Pot Access to 1,3,4-Triarylpyrazoles

Letter



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Synlett **2022**, *33*, 2048–2052
DOI: 10.1055/a-1951-2950

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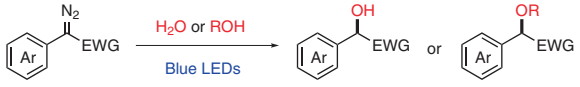
Synthesis of α-Hydroxy and α-Alkoxy Esters Enabled by a Visible-Light-Induced O–H Insertion Reaction of Diazo Compounds

Letter



- synthesis of α-hydroxy & α-alkoxy esters
- broad scope, > 36 examples
- gram-scale continuous-flow reaction
- at room temperature, catalyst-free
- operationally simple conditions
- applied to aliphatic alcohols